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P69C



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Issued November 30, 1908.

### U. S. DEPARTMENT OF AGRICULTURE,

BUREAU OF PLANT INDUSTRY—Circular No. 17.

B. T. GALLOWAY, Chief of Bureau,

# INDEX TO PAPERS RELATING TO PLANT-INDUSTRY SUBJECTS IN THE YEARBOOKS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE.

PREPARED BY

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## INDEX TO PAPERS RELATING TO PLANT-INDUSTRY SUBJECTS IN THE YEARBOOKS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE.

### EXPLANATORY STATEMENT.

The index following is intended primarily to cover the subjects referred to in the 65 papers contributed by the Bureau of Plant Industry since its organization, on July 1, 1901, to the Yearbooks of the United States Department of Agriculture and afterwards

reprinted in separate form.

In order to make this index more satisfactory and complete, however, it has been deemed desirable to include with it a title index to papers relating to plant-industry subjects printed in the Yearbooks issued prior to the organization of the Bureau of Plant Industry. These title entries are therefore inserted with the others, but are distinguished from them by the use of smaller type. For a complete subject index to these earlier papers and all others issued in Yearbooks prior to 1901 the reader is referred to Bulletin No. 7 of the Division of Publications, entitled "Index to the Yearbooks of the United States Department of Agriculture, 1894–1900," by Charles H. Greathouse.

All of the papers contributed to the Yearbooks which have been reprinted in separate form for gratuitous distribution are indicated (1) by the number assigned to each such paper, known as a "Yearbook Extract" or "Yearbook Separate," by the Document Section of the Division of Publications, followed (2) by the year showing the particular Yearbook in which the article referred to appeared and (3) by the numbers of the pages on which the specified matter will be found.

Many of the earlier Yearbook papers are now out of print in separate form. Those separates that are now available for distribution <sup>a</sup>

<sup>&</sup>lt;sup>a</sup> The stock of free publications on hand at the Department of Agriculture is constantly changing, the editions being exhausted from time to time but reprinted when required.

At the time of going to press (November, 1908) the following papers upon plant-industry subjects printed in the Yearbooks may be obtained in separate form from the Department of Agriculture upon request: Nos. 20, 27, 28, 47, 50, 85, 87, 90, 128, 151, 157, 176, 195, 203, 206, 208, 211, 215, 217, 220, 222, 262, 266, 278, 279, 283, 291, 293, 314, 317, 320, 321, 326, 330, 340, 343, 356, 361, 377, 383, 387, 401, 419, 422, 427, 429, 446, 450, 453, 456, 459, 461, 463.

will be sent free of cost upon application to the Secretary of Agriculture and may be designated by using the specific numbers assigned to the extracts wanted; thus "YB 340" is a sufficient indication that a copy is desired of Yearbook Extract No. 340, issued in the Yearbook for 1904, entitled "Opportunities in Agriculture. I. Growing Crops under Glass. II. Fruit Growing. III. General Farming."

It is hoped that this index will prove a convenient key to the vast storehouses of information on plant subjects contained in the series of Yearbooks of the Department of Agriculture, of which the fourteenth volume has only recently come from the press.

SEPTEMBER 25, 1908.

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cultivated, frosts and freezes affecting         48.55         1895         119-120           origin         336         1904         119-120           decorative, for home place         284         1902         510-517           diseases, nature and causes         336         1904         125-128           drug, cultivation in the United States, paper         325         1903         337-346           experiments in cultivation         325         1903         337-339           importation         325         1903         337-339           importation         325         1903         339-342           progress in cultivation, paper         401         1905         533-540           prospects for growing in United States         325         1903         342-343           wild, domestication         401         1905         534-535           effect of inbreeding, paper         389         1905         575-539           fiber, diseases in 1904         367         1904         586           1905         409         1905         610-611           1906         437         1906         506           fiber, diseases in 1904         367         1904         586				
origin         336         1904         119-120           decorative, for home place         284         1902         510-517           diseases, nature and causes         336         1904         125-128           drug, cultivation in the United States, paper         325         1903         337-346           experiments in cultivation         325         1903         337-339           growth and market         325         1903         339-342           progress in cultivation, paper         401         1905         538-540           prospects for growing in United States         325         1903         342-343           wild, domestication         401         1905         534-535           effect of inbreeding, paper         389         1905         377-392           feeding with manures and commercial fertilizers         290         1902         556-559           fiber, diseases in 1904         367         1904         586           1905         409         1905         610           1906         437         1906         437         1906           1907         467         1907         586-587           food         1907         467         1907         586-587<				
decorative, for home place         284         1902         510-517           diseases, nature and causes         336         1904         125-128           drug, cultivation in the United States, paper         325         1903         337-336           experiments in cultivation         325         1903         343-346           growth and market         325         1903         337-339           importation         325         1903         337-339           prospects for growing in United States         325         1903         337-340           prospects for growing in United States         325         1903         342-343           wild, domestication         401         1905         534-535           effect of inbreeding, paper         389         1905         545-555           fiber, diseases in 1904         367         1904         586           1906         437         1906         566           1907         467         1907         586-587           food         1907         467         1907         586-587           food         1908         340         1904         164-165           greenhouse, diseases in 1904         367         1904         586			1904	
diseases, nature and causes       336       1904       125-128         drug, cultivation in the United States, paper       325       1903       337-346         experiments in cultivation       325       1903       337-339         importation       325       1903       339-342         progress in cultivation, paper       401       1905       533-540         prospects for growing in United States       325       1903       342-343         wild, domestication       401       1905       534-535         effect of inbreeding, paper       389       1905       537-535         effect of inbreeding, paper       389       1905       537-352         effect of inbreeding, paper       389       1905       537-352         effect of inbreeding, paper       389       1905       537-352         fededing with manures and commercial fertilizers       290       1902       566-559         fiber, diseases in 1904       367       1904       586         1905       409       1905       610         1906       437       1906       467       1907       586-587         food       1907       467       1907       586-587         food       1907<		284	1902	510-517
drug, cultivation in the United States, paper         325         1903         337-346           experiments in cultivation         325         1903         343-346           growth and market         325         1903         337-339           importation         325         1903         339-342           prospects for growing in United States         325         1903         339-342           prospects for growing in United States         325         1903         342-343           wild, domestication         401         1905         534-355           effect of inbreeding, paper         389         1905         577-392           feeding with manures and commercial fertilizers         290         1902         556-559           fiber, diseases in 1904         367         1904         586           1905         409         1905         610           1906         437         1906         566           1907         467         1907         586-587           food         1907         467         1907         586-586           general, growing under glass         340         1904         586           growing under glass as a specialty         340         1904         586	-		1904	
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growth and market				
İmportation         325         1903         339-342           progress in cultivation, paper         401         1905         533-542           prospects for growing in United States         325         1903         342-343           wild, domestication         401         1905         534-535           effect of inbreeding, paper         389         1905         377-392           feeding with manures and commercial fertilizers         290         1902         556-559           fiber, diseases in 1904         367         1904         566           1905         409         1905         610           1906         437         1906         506           1907         467         1907         586-587           food         1907         467         1907         586-587           food         1907         467         1904         169           greenal, growing under glass         340         1904         164-165           greenhouse, diseases in 1904         367         1904         169           growing under glass as a specialty         340         1904         169           growing under glass as a specialty         340         1904         160				
progress in cultivation, paper         401         1905         533-540           prospects for growing in United States         325         1903         342-343           wild, domestication         401         1905         534-535           effect of inbreeding, paper         389         1905         377-392           feeding with manures and commercial fertilizers         290         1902         556-559           fiber, diseases in 1904         367         1904         586           1905         409         1905         610           1906         437         1906         506           food         1907         467         1907         586-587           food         336         1904         1905         610           general, growing under glass         340         1904         122-125           general, growing under glass as a specialty         340         1904         169           growing under glass as a specialty         340         1904         169           growing under glass as a specialty         340         1904         169           growth, water as factor         6         1894         165-176           health in greenhouses         36         1895				
## wild, domestication				
wild, domestication       401       1905       534-535         effect of inbreeding, paper       389       1905       377-392         feeding with manures and commercial fertilizers       290       1902       556-559         fiber, diseases in 1904       367       1904       586         1905       409       1905       610         1906       437       1906       506         1907       467       1907       586-587         food       336       1904       122-125         general, growing under glass       340       1904       164-165         greenhouse, diseases in 1904       367       1904       169-161         growing under glass as a specialty       340       1904       169         growth, water as factor       6       1894       165-176         health in greenhouses       36       1895       247-256         improvement by selection       159       1889       355-376         inbreeding, degree s       389       1905       381-384         effect on vegetative vigor and fertility       389       1905       384-386         ornamental, diseases in 1904       367       1904       586         1905				
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1905   409   1905   610     1906   437   1906   506     1907   467   1907   586-587     food   336   1904   122-125     general, growing under glass   340   1904   164-165     greenhouse, diseases in 1904   367   1904   586     1905   409   1905   610-611     growing under glass as a specialty   340   1904   169     commercial progress   191   1899   575-590     growth, water as factor   6   1894   165-176     health in greenhouses   36   1895   247-256     improvement by selection   159   1888   353-378     inbreeding, degree s   389   1905   381-384     effect on vegetative vigor and fertility   389   1905   381-384     effect on vegetative vigor and fertility   389   1905   384-386     ornamental, diseases in 1904   367   1904   586     1905   409   1905   610-611     1906   437   1906   507-508     pasture, native   1907   467   1907   589     physiology, development of science   336   1904   128-132     poisonous, of northern stock ranges   226   1900   305-324     relation of nutrition to health, paper   225   1901   155-176     seed tobacco, tests   358   1904   449-450     selection in seed bed   358   1904   449-450     selection in seed bed   358   1904   449-450     selection in seed bed   358   1904   449-450     trees, etc., pruning   145   1898   151-166     tropical, culture and curing   242   1901   351     under glass, opportunities in growing, paper   340   1904   161-169     progress of commercial growing   paper   340   1904   161-169     progress of commercial growing   191   1899   575-590     See also Corn, Cotton, and other crop plants.	<u> </u>			
1906				
food       336       1904       122-125         general, growing under glass       340       1904       164-165         greenhouse, diseases in 1904       367       1904       586         1905       409       1905       409       1905       610-611         growing under glass as a specialty       340       1904       169         commercial progress       191       1899       575-590         growth, water as factor       6       1894       165-176         health in greenhouses       36       1895       247-256         improvement by selection       159       1898       355-376         inbreeding, degree s       389       1905       381-384         effect on vegetative vigor and fertility       389       1905       381-384         effect on vegetative vigor and fertility       389       1905       384-386         ornamental, diseases in 1904       367       1904       586         1905       409       1905       610-611         1906       437       1906       507-508         pasture, native       223       1900       581-598         physiology, development of science       336       1904       128-132				
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general, growing under glass       340       1904       164-165         greenhouse, diseases in 1904       367       1904       586         1905       409       1905       610-611         growing under glass as a specialty       340       1904       169         growth, water as factor       6       1894       165-176         health in greenhouses       36       1895       247-256         improvement by selection       159       1898       355-376         inbreeding, degree s       389       1905       381-384         effect on vegetative vigor and fertility       389       1905       384-386         ornamental, diseases in 1904       367       1904       586         1905       409       1905       610-611         1906       437       1906       507-508         1907       467       1907       589         physiology, development of science       336       1904       128-132         poisonous, of northern stock ranges       206       1900       305-324         relation of nutrition to health, paper       225       1901       155-176         seed tobacco, tests       358       1904       449-450         <				
greenhouse, diseases in 1904       367       1904       586         1905       409       1905       610-611         growing under glass as a specialty       340       1904       169         commercial progress       191       1899       575-590         growth, water as factor       6       1894       165-176         health in greenhouses       36       1895       247-256         improvement by selection       159       1898       355-376         inbreeding, degree s       389       1905       381-384         effect on vegetative vigor and fertility       389       1905       384-386         ornamental, diseases in 1904       367       1904       586         1905       409       1905       610-611         1906       437       1906       507-508         1907       467       1907       589         physiology, development of science       336       1904       128-132         poisonous, of northern stock ranges       26       1900       305-324         relation of nutrition to health, paper       225       1901       155-176         seed tobacco, tests       358       1904       449-450         some co		336		122–125
1905.   409   1905   610-611     growing under glass as a specialty   340   1904   169     commercial progress   191   1899   575-590     growth, water as factor   6   1894   165-176     health in greenhouses   36   1895   247-256     improvement by selection   159   1898   355-376     inbreeding, degree s   389   1905   381-384     effect on vegetative vigor and fertility   389   1905   381-384     effect on vegetative vigor and fertility   389   1905   384-386     ornamental, diseases in 1904   367   1904   586     1905   409   1905   610-611     1906   437   1906   507-508     1907   467   1907   589     pasture, native   223   1900   581-598     physiology, development of science   336   1904   128-132     poisonous, of northern stock ranges   206   1900   305-324     relation of nutrition to health, paper   225   1901   155-176     seed tobacco, tests   358   1904   449-450     some common poisonous   67   1896   137-146     tobacco, preservation of type   431   1906   403-404     selection in seed bed   358   1904   442     trees, etc., pruning   145   1898   151-166     tropical, culture and curing   242   1901   351     under glass, opportunities in growing, paper   340   1904   161-169     progress of commercial growing   191   1889   575-590     woody, care of wounds   57   1895   257-268     See also Corn, Cotton, and other crop plants.	general, growing under glass	340	1904	164 - 165
growing under glass as a specialty 340 1904 169		367	1904	586
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growth, water as factor       6       1894       165-176         health in greenhouses       36       1895       247-256         improvement by selection       159       1898       355-376         inbreeding, degree s       389       1905       381-384         effect on vegetative vigor and fertility       389       1905       384-386         ornamental, diseases in 1904       367       1904       586         1905       409       1905       610-611         1906       437       1906       507-508         1907       467       1907       589         pasture, native       223       1900       581-598         physiology, development of science       336       1904       128-132         poisonous, of northern stock ranges       206       1900       305-324         relation of nutrition to health, paper       225       1901       155-176         seed tobacco, tests       358       1904       449-450         some common poisonous       67       1896       137-146         tobacco, preservation of type       431       1906       403-404         selection in seed bed       358       1904       442         tr	growing under glass as a specialty	340	1904	169
health in greenhouses   1895   247-256     improvement by selection   159   1898   355-376     inbreeding, degree s   389   1905   381-384     effect on vegetative vigor and fertility   389   1905   384-386     ornamental, diseases in 1904   367   1904   586     1905   409   1905   610-611     1906   437   1906   507-508     1907   467   1907   589     pasture, native   223   1900   581-598     physiology, development of science   336   1904   128-132     poisonous, of northern stock ranges   206   1900   305-324     relation of nutrition to health, paper   225   1901   155-176     seed tobacco, tests   358   1904   449-450     some common poisonous   67   1896   137-146     tobacco, preservation of type   431   1906   403-404     selection in seed bed   358   1904   442     trees, etc., pruning   190   351     tropical, culture and curing   242   1901   351     under glass, opportunities in growing, paper   340   1904   161-169     progress of commercial growing   191   1899   575-590     woody, care of wounds   57   1895   257-268     See also Corn, Cotton, and other crop plants.     Plow, lateral, used in potato cultivation   349   1904   319-320				
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1905.       409       1905       610-611         1906.       437       1906       507-508         1907.       467       1907       589         pasture, native       223       1900       581-598         physiology, development of science       336       1904       128-132         poisonous, of northern stock ranges       266       1900       305-324         relation of nutrition to health, paper       225       1901       155-176         seed tobacco, tests       358       1904       449-450         some common poisonous       67       1896       137-146         tobacco, preservation of type       431       1906       403-404         selection in seed bed       358       1904       442         trees, etc., pruning       145       1898       151-166         tropical, culture and curing       242       1901       351         under glass, opportunities in growing, paper       340       1904       161-169         progress of commercial growing       191       1899       575-590         woody, care of wounds       57       1895       257-268         See also Corn, Cotton, and other crop plants.         Plow, lateral, used in pota				
1906.       437       1906       507-508         1907.       467       1907       589         pasture, native       223       1900       581-598         physiology, development of science       336       1904       128-132         poisonous, of northern stock ranges       266       1900       305-324         relation of nutrition to health, paper       225       1901       155-176         seed tobacco, tests       358       1904       449-450         some common poisonous       67       1896       137-146         tobacco, preservation of type       431       1906       403-404         selection in seed bed       358       1904       442         trees, etc., pruning       145       1898       151-166         tropical, culture and curing       242       1901       351         under glass, opportunities in growing, paper       340       1904       161-169         progress of commercial growing       191       1899       575-590         woody, care of wounds       57       1895       257-268         See also Corn, Cotton, and other crop plants.         Plow, lateral, used in potato cultivation       349       1904       319-320				
1907     467     1907     589       pasture, native     223     1900     581-598       physiology, development of science     336     1904     128-132       poisonous, of northern stock ranges     266     1900     305-324       relation of nutrition to health, paper     225     1901     155-176       seed tobacco, tests     358     1904     449-450       some common poisonous     67     1896     137-146       tobacco, preservation of type     431     1906     403-404       selection in seed bed     358     1904     442       trees, etc., pruning     145     1898     151-166       tropical, culture and curing     242     1901     351       under glass, opportunities in growing, paper     340     1904     161-169       progress of commercial growing     191     1899     575-590       woody, care of wounds     57     1895     257-268       See also Corn, Cotton, and other crop plants.       Plow, lateral, used in potato cultivation     349     1904     319-320				
pasture, native         223         1900         581-598           physiology, development of science         336         1904         128-132           poisonous, of northern stock ranges         266         1900         305-324           relation of nutrition to health, paper         225         1901         155-176           seed tobacco, tests         358         1904         449-450           some common poisonous         67         1896         137-146           tobacco, preservation of type         431         1906         403-404           selection in seed bed         358         1904         442           trees, etc., pruning         145         1898         151-166           tropical, culture and curing         242         1901         351           under glass, opportunities in growing, paper         340         1904         161-169           progress of commercial growing         191         1899         575-590           woody, care of wounds         57         1895         257-268           See also Corn, Cotton, and other crop plants.           Plow, lateral, used in potato cultivation         349         1904         319-320				
physiology, development of science       336       1904       128-132         poisonous, of northern stock ranges       206       1900       305-324         relation of nutrition to health, paper       225       1901       155-176         seed tobacco, tests       358       1904       449-450         some common poisonous       67       1896       137-146         tobacco, preservation of type       431       1906       403-404         selection in seed bed       358       1904       442         trees, etc., pruning       145       1898       151-166         tropical, culture and curing       242       1901       351         under glass, opportunities in growing, paper       340       1904       161-169         progress of commercial growing       191       1899       575-590         woody, care of wounds       57       1895       257-268         See also Corn, Cotton, and other crop plants.         Plow, lateral, used in potato cultivation       349       1904       319-320				
poisonous, of northern stock ranges         206         1900         305-324           relation of nutrition to health, paper         225         1901         155-176           seed tobacco, tests         358         1904         449-450           some common poisonous         67         1896         137-146           tobacco, preservation of type         431         1906         403-404           selection in seed bed         358         1904         442           trees, etc., pruning         145         1898         151-166           tropical, culture and curing         242         1901         351           under glass, opportunities in growing, paper         340         1904         161-169           progress of commercial growing         191         1899         575-590           woody, care of wounds         57         1895         257-268           See also Corn, Cotton, and other crop plants.           Plow, lateral, used in potato cultivation         349         1904         319-320				
relation of nutrition to health, paper       225       1901       155–176         seed tobacco, tests       358       1904       449–450         some common poisonous       67       1896       137–146         tobacco, preservation of type       431       1906       403–404         selection in seed bed       358       1904       442         trees, etc., pruning       145       1898       151–166         tropical, culture and curing       242       1901       351         under glass, opportunities in growing, paper       340       1904       161–169         progress of commercial growing       191       1899       575–590         woody, care of wounds       57       1895       257–268         See also Corn, Cotton, and other crop plants.         Plow, lateral, used in potato cultivation       349       1904       319–320				
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Approved:

James Wilson, Secretary of Agriculture.

Washington, D. C., September 26, 1908. [Cir. 17.]

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